

What is claimed is:

1. A white light emitting diode comprising a phosphor layer to convert blue light into yellow light, provided on a blue light emitting diode,

wherein the phosphor layer comprises an inorganic compound containing a phosphor.

2. The white light emitting diode of Claim 1,
wherein the inorganic compound is the phosphor.

3. The white light emitting diode of Claim 1,
wherein the inorganic compound comprises a transparent inorganic oxide.

4. The white light emitting diode of Claim 3,
wherein the transparent inorganic oxide is an oxide of at least one kind selected from Al, Si, Ti, Ge, P, B, Y, Sn, Pb, Gd, Lu, Sc, In, Mg, Ca, Sr and Ba.

5. The white light emitting diode of Claim 3,
wherein the transparent inorganic oxide is silica or alumina.

6. A method of manufacturing a white light emitting diode comprising a phosphor layer to convert blue light into yellow light, provided on a blue light emitting diode, the method comprising a step of forming the phosphor layer comprising an inorganic compound containing a phosphor via an aerosol deposition method.

7. The method of Claim 6,
wherein a compound as the phosphor being the inorganic compound is prepared.

8. The method of Claim 6,
wherein the inorganic compound comprising a transparent inorganic oxide is prepared.

9. The method of Claim 6,
wherein an oxide of at least one kind selected from Al, Si, Ti, Ge, P, B, Y, Sn, Pb, Gd, Lu, Sc, In, Mg, Ca, Sr and Ba as the transparent inorganic oxide is prepared.

10. The method of Claim 6,

wherein the transparent inorganic oxide being silica
or alumina is prepared.